ASUREMENT BOOK

Dimensions				Contents	Reference to last Measurem
Number 3	Length 4	Breadth 5	Depth 6	7	8

M. A. R. 57 (Rule 116)
Measurement Book

No. B

209425

al No. BR-408/29-11-14

e of Work ..... From..... To.....

e of Contractor of nature of Agency .....

of commencement of work .....

	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Name of Work:- Improvements to Main Road & cross Roads at Balaji layout in ward No. 11						
	Work Code No:- 017-14-000009 Estimated Cost:- 19.50 Lakhs						
	Work order No:- EE/BOM/BBMP/KRIDL/410/49/14-15 Date: 18/7/14						
	Name of Agency:- Technical Manager KRIDL Malleswaram B-Zone 03						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Recorded on 25/7/14

1) Earth work excavation by manual means in ordinary soil involving an average Horizontal throw up to 2 mtrs and an average lift up to 0.5m, excavated surface leveled & sides neatly dressed, the disposed earth to be leveled neatly after breaking & clods etc. Complete as per Specifications.

Desilting of Drains

4th 'A' Main

1 × 30.00 × 0.45 × 0.35 = 4.73

2 × 14.70 × 0.45 × 0.45 = 2.98

1 × 30.01 × 0.45 × 0.45 = 6.08

1 × 30.00 × 0.45 × 0.45 = 6.08

1 × 30.00 × 0.45 × 0.35 = 4.73

C&Fc

1st Cross Road

M

al No. .....

e of Work .....

e of Contractor of nature of Agency .....

e of commencement of work .....

e	Full description, etc, of work	Nur
	2	
	3rd 'B' Main	
	2nd Cross	

NT BOOK

ensions		Contents	Reference to last Measurem
Breadth 5	Depth 6	7	8
manual means by ordinary			
rizontal throw upto 2mtrs			
n, excavated surface			
ed, the disposed earth to			
ling & clods etc. Complete			
x0.45x0.35= 4.73			
0x0.45x0.45= 2.98			
x0.45x0.45= 6.08			
x0.45x0.45= 6.08			
x0.45x0.35= 4.73			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

al No. .....

209426

e of Work ..... From..... To.....

e of Contractor of nature of Agency .....

e of commencement of work .....

e	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	30.00	0.45	0.45	6.08	
		1	30.00	0.45	0.35	4.73	
		1	8.90	0.45	0.35	1.40	
	3rd 'D' Main	1	30.00	0.45	0.45	6.08	
		1	30.00	0.45	0.45	6.08	
		1	14.40	0.45	0.40	2.59	
	2nd Cross	1	30.00	0.45	0.45	6.08	
		1	30.00	0.45	0.35	4.73	
		2	30.00	0.45	0.40	10.80	

C&F C

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ವಿದ್ಯುದ್ಗಣಪ್ರಭಾ ಉಪ ವಿಭಾಗ
ಯಲಹಂಕ ವಲಯ,
ಬೆ. ಮ. ಸಾ. ಬೆಂಗಳೂರು-9

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cross Road RLS	1	30.00	0.45	0.45	6.08	
		2	30.00	0.45	0.40	10.80	
		1	30.00	0.45	0.45	6.08	
		2	30.00	0.45	0.35	9.45	
		1	4.70	0.45	0.45	0.95	
	Berm Cutting	1	30.00	0.95	0.20	5.70	C&F
	4th D Main	1	14.70	0.90	0.20	2.65	2
	1st cross	1	30.00	0.85	0.25	6.38	
		1	30.00	0.85	0.20	4.80	
		1	30.00	1.05	0.20	6.30	
		1	30.00	1.00	0.25	7.50	

M.

No. .....

e of Work ..... Fr

e of Contractor of nature of Agency .....

of commencement of work .....

Full description, etc, of work	Numb
2	3
3rd D Main	
2nd Cross	
Cross Road RLS	

EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
30.00 × 0.45 × 0.45 =			6.08	
30.00 × 0.45 × 0.40 =			10.80	
30.00 × 0.45 × 0.45 =			6.08	
30.00 × 0.45 × 0.35 =			9.45	
4.70 × 0.45 × 0.45 =			0.95	
30.00 × 0.95 × 0.20 =			5.70	
14.70 × 0.90 × 0.20 =			2.65	
30.00 × 0.85 × 0.25 =			6.38	
30.00 × 0.85 × 0.20 =			4.80	
30.00 × 1.05 × 0.20 =			6.30	
30.00 × 1.00 × 0.25 =			7.50	

C&F c 2

M. A. R. 57 (Rule 116)
Measurement Book

No. B

No. .....

e of Work ..... From..... To..... 209427

e of Contractor of nature of Agency .....

of commencement of work .....

Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
	Number 3	Length 4	Breadth 5	Depth 6		
3rd D. Main	2	30.00	0.80	0.30	14.40	
	1	8.90	1.00	0.90	8.01	
	1	30.00	1.20	0.85	30.60	
	1	30.00	0.95	0.80	22.80	
	1	14.40	1.00	0.25	3.60	
2nd Cross	2	30.00	0.85	0.20	10.20	
	1	30.00	1.00	0.30	9.00	
	1	30.00	0.90	0.30	8.10	
Cross Road RJ	1	30.00	0.85	0.20	5.10	

C&F c 2

ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ, ಯಲಹಂಕ ವಲಯ, ಬ. ಬೆಂ. ಮ. ಸಾ., ಬೆಂಗಳೂರು-97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurem
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	0.80	0.25	= 6.00	
		1	30.00	1.05	0.20	= 6.30	
		1	30.00	1.00	0.35	= 10.50	
		1	4.70	0.90	0.25	= 1.06	
				Total Qty		275.46 M³	
				Limited to		270.00 M³	
				Qty 90.72		Rs 2449400	
	2) Removing B.S. Slab Drain & Stacking etc premeasurement Qty Vide Page No 209479 & Total Qty					616.68 M²	

M. A
M

I No. .....
e of Work ..... Fro
e of Contractor of nature of Agency .....
of commencement of work .....

Full description, etc, of work	Numb
2	3
) Re Haling of stone	
) Scarifying stone m	

MENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
30.00 × 0.80 × 0.25 =			6.00	
30.00 × 1.05 × 0.20 =			6.30	
30.00 × 1.00 × 0.35 =			10.50	
4.700 × 0.90 × 0.25 =			1.06	
Total Qty			275.46 m³	
Limited To			270.00 m³	
@ Rs 90.72			Rs 2449400	
Total Qty				
Lying & Stacking etc				
Qty vide Page No 209479				
Total Qty			616.68 m²	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

209428

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
	Number 3	Length 4	Breadth 5	Depth 6		
					Limited To 607.50 m²	
					@ Rs 50.11 Rs 30442=00	
) Repairing of stone kerbs of Dressing & pointing in CM (1:3) etc.						
Qty vide item No 2						
					Total Qty 607.50 m²	
					@ Rs 70.04 Rs 42549:00	
) Scarifying stone metal crust 50mm to 100mm thick						

MENT BOOK

Dimensions			Contents	Reference to last Measurement
ength 4	Breadth 5	Depth 6	7	8
₹ 10.53			₹, 252 72=00	
er Coat with bi- from 12.2 to high porosity over prepared with cut-back M-C-70 or ith diesel at 13 kg per 10sqm fitted with Spray set including labour Hom & Machinies pecifications. em No. 6				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

209435

al No. .....
ne of Work ..... From..... To.....
me of Contractor of nature of Agency .....
e of commencement of work .....

Date	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
			Total Qty Sq 142.07			2400.00 m²	
						₹, 340968=00	
	8) providing and laying Semi dense bituminous Concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of Specified grading premixed with bituminous binder 4.5 to 5% of mix & Filler, transporting the hot mix						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measure
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	to work site laying with a hydrostatic paver finisher with Sensor Control to the required grade level & Alignment, rolling with smooth wheeled Vibratory & tandem roller to achive the desired Compaction by as per MORTH Specifications clause 500.8 with 80/100 grade bitumen etc. complete as per Specifications.						
	4th 'A' Main	1	30.00	$\frac{5.80+5.40}{2}$	0.025	= 4.20	
		1	14.70	$\frac{5.40+5.00}{2}$	0.025	= 1.91	
	1st Cross	1	30.00	$\frac{4.60+4.68}{2}$	0.025	= 3.45	

M. A. R. 57
Measurem

No. ..... From.....
of Work .....
of Contractor of nature of Agency .....
of commencement of work .....

Full description, etc, of work	Number	Leng
2	3	4
	1	30.
	1	30.
	1	30
	1	30.
	1	8
3rd 'A' Main	1	30
	1	30

REMENT BOOK

Dimensions			Contents	Refere to las Measure
er	Length 4	Breadth 5	Depth 6	7	8
	with a hydrostatic paver control to the required grade with smooth wheeled ller to achive the desired MORTH Specifications clause le bitumen etc. complete as				
	1 x 30.00 x $\frac{5.80+5.40}{2}$ x 0.025			= 4.20	
	1 x 14.70 x $\frac{5.40+5.00}{2}$ x 0.025			= 1.91	
	1 x 30.00 x $\frac{4.60+4.62}{2}$ x 0.025			= 8.45	

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು.
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬ. ಬೆಂ. ಮ. ಸಾ. ಬೆಂಗಳೂರು-97

M. A. R. 57 (Rule 116)
Measurement Book

No. B

209436

No. .....
e of Work ..... From..... To.....
e of Contractor of nature of Agency .....
of commencement of work .....

Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
	Number 3	Length 4	Breadth 5	Depth 6		
3rd A Main	1	30.00	$\frac{4.60+4.50}{2}$	0.025	= 3.41	C/F 13.68
	1	30.00	$\frac{4.50+5.00}{2}$	0.025	= 3.56	
	1	30.00	$\frac{5.00+5.00}{2}$	0.025	= 3.75	
	1	30.00	$\frac{5.00+5.90}{2}$	0.025	= 4.09	
	1	8.90	$\frac{5.90+5.40}{2}$	0.025	= 1.26	
	1	30.00	$\frac{5.00+5.18}{2}$	0.025	= 3.79	
	1	30.00	$\frac{5.10+4.79}{2}$	0.025	= 3.68	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measure
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	2nd Cross	1	14.40	$\frac{4.70+4.70}{2}$	0.025	= 1.69	
		1	30.00	$\frac{3.60+5.40}{2}$	0.025	= 3.38	
		1	30.00	$\frac{5.40+4.20}{2}$	0.025	= 3.60	
		1	30.00	$\frac{4.20+5.80}{2}$	0.025	= 3.75	
		1	30.00	$\frac{5.80+4.70}{2}$	0.025	= 3.84	
		1	30.00	$\frac{4.70+5.00}{2}$	0.025	= 3.79	
		1	30.00	$\frac{5.00+4.70}{2}$	0.025	= 3.64	
		1	34.70	$\frac{4.70+4.70}{2}$	0.025	= 4.08	

M. A.
Mea

I No. .....
e of Work ..... From
e of Contractor of nature of Agency .....
of commencement of work .....

Full description, etc, of work	Number
2	3
C & E. on 30/8/2014	

Lead For Disposal of Deb
by Mechanical Means (
0.00 to 2.00 Km etc.

UREMENT BOOK

Dimensions				Contents	Refere to las Measure
umber 3	Length 4	Breadth 5	Depth 6	7	8
1	14.40	$\frac{4.70+4.70}{2}$	0.025	1.69	
1	30.00	$\frac{3.60+5.40}{2}$	0.025	3.38	
1	30.00	$\frac{5.40+4.20}{2}$	0.025	3.60	
1	30.00	$\frac{4.20+5.80}{2}$	0.025	3.75	
1	30.00	$\frac{5.80+4.70}{2}$	0.025	3.84	
1	30.00	$\frac{4.70+5.00}{2}$	0.025	3.79	
1	30.00	$\frac{5.00+4.70}{2}$	0.025	3.64	
1	34.70	$\frac{4.70+4.70}{2}$	0.025	4.08	

3/3/18

M. A. R. 57 (Rule 116)
Measurement Book

No. B
209437

l No. .....
e of Work ..... From..... To.....
e of Contractor of nature of Agency .....
of commencement of work .....

Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
	Number 3	Length 4	Breadth 5	Depth 6		
C&FC of 30/8/2014		Total Qty Limited To Qty 9631.44			60.95 m³ 60.00 m³ Qty, 577886=00 Lqty 30/8/14	
Lead For Disposal of Debris shall be payble at Carriage rates by Mechanical Means Including loading and Unloading From 0.00 to 2.00 Kms etc.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty wide Item No. 1					202.50 m3	
	Total Qty					Rs. 14724200	
	Sub Total					Rs. 1740014=00	
	10) Add KRIDL charges @ 11%					Rs 191401.54	
	11) Third Party QC Inspection charges @ 1%					17400.14	
	C&T-C		Total			Rs. 1948815.68	
						1931416	

ಸಹಾಯಕ ಕಾರ್ಯ[illegible]
ಯೋಜನಾ ನಿರ್ದೇಶಕರು,
ಯೋಜನಾ ವಲಯ,
ಬೃ.ಬೆಂ.ಮ.ಪಾ., ಬೆಂಗಳೂರು-97.

M. A.
Mea

No. ..... From.
of Work .....
of Contractor of nature of Agency .....
of commencement of work .....

Full description, etc, of work	Number
2	3